



**MAIL STOP AF  
RESPONSE UNDER 37 C.F.R. § 1.116  
EXPEDITED PROCEDURE  
EXAMINING GROUP 1723**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application Number. : 10/643,862 Confirmation Number : 5515  
Applicants : Michael J. Pugia et al.  
Filed : August 19, 2003  
Title : Mixing In Microfluidic Devices  
TC/A.U. : 1723  
Examiner : Tony Glen Soohoo  
Docket Number : 55197-00016USPT  
Customer Number : 30223

**AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION  
DATED SEPTEMBER 22, 2005**

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**CERTIFICATE OF MAILING  
37 C.F.R. 1.8**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 284723505 US, in an envelope addressed to: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

11/24/05  
Date Signature

In response to the Final Office Action mailed September 22, 2005, please amend the above-identified application as follows:

**Amendments to the Claims** are reflected in the Listing of Claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 9 of this paper.